|    |              |               |                 |               |                    |          |          |                 |          |          |          |         |          | 10/643,653     |          |               |                 |              |             |   |               | POSAMENTIER, JOSHUA D. |            |  |          |           |  |  |                 |   |                 |  |   |
|----|--------------|---------------|-----------------|---------------|--------------------|----------|----------|-----------------|----------|----------|----------|---------|----------|----------------|----------|---------------|-----------------|--------------|-------------|---|---------------|------------------------|------------|--|----------|-----------|--|--|-----------------|---|-----------------|--|---|
|    |              |               |                 |               |                    |          |          |                 |          |          |          |         |          | Examiner       |          |               |                 |              |             |   |               |                        | Art Unit   |  |          |           |  |  |                 |   |                 |  |   |
|    |              |               |                 |               |                    |          |          |                 |          |          |          |         |          | /              |          |               |                 |              |             |   |               | 20                     | 20         |  |          |           |  |  |                 |   |                 |  |   |
| ll |              |               |                 |               |                    |          |          |                 |          |          |          |         |          | Tod T. Van Roy |          |               |                 |              |             |   |               |                        |            | 28   |          |           |  |  |                 |   | <del></del>     |  |   |
|    |              |               |                 |               |                    |          | $\neg$   |                 | ٢        |          | /T       | 'h en i |          |                |          |               | $\neg$          | Г            |             |   |               |                        |            |  |          |           |  |  |                 | ì |                 |  |   |
|    | . √ Rejected |               |                 |               |                    |          |          | (Through numera |          |          |          |         |          | H)             |          | ,             | , l             | Non-Elected  |             |   |               | $ _{\mathbf{A}} $      |            | Appeal   |          |           |  |  |                 | Þ |                 |  |   |
|    |              |               |                 |               |                    |          | -        |                 |          |          |          |         |          |                |          |               | <del>`</del>  - |              |             |   |               |                        |            |  |          |           |  |  |                 |   |                 |  |   |
|    | = Allowed    |               |                 |               |                    |          |          | ÷               |          | Re       | stric    | ted     |          |                |          |               | ı lı            | Interference |             |   | 1             |                        | Objected   |  |          |           |  |  |                 |   |                 |  |   |
|    |              |               |                 |               |                    |          |          |                 | Ĺ        |          |          |         |          |                |          |               |                 | L            |             |   |               |                        |            |  |          |           |  |  |                 |   |                 |  |   |
|    | Claim Date   |               |                 |               |                    |          | $\neg$   | Claim           |          |          |          | Date    |          |                |          |               |                 | _            | laim        | 1   | Date          |                        |            |  |          |           |  |  |                 |   |                 |  |   |
|    | Cie          |               | 6               |               |                    |          | ale      |                 | $\neg$   | 7        |          | - 018   | ·        | Т              | Т        | $\neg \vdash$ | Ja              | T            | <del></del> | <del>                                      </del> | $\overline{}$ | -                      |            | $\vdash$   |          | $\top$    | Date   | <u> </u>   |                 |   |                 |  |   |
| ,  | Final        | Original      | 200             |               |                    |          |          |                 |          |          |          | Final   | Original |                | $\perp$  |               |                 |              |             |   |               | Final                  | Original   |  |          |           |  |  |                 |   |                 |  |   |
|    | Ë            | Orig          | 66              |               |                    |          |          |                 |          |          |          | 🖫       | Orig     | İ              |          |               |                 |              |             |   |               | :=                     | Orig       |  | İ        |           |  |  |                 |   |                 |  |   |
|    |              | (1)           | J               |               | -                  |          | $\dashv$ | -               | _        |          |          |         |          |                | 4        |               |                 | +            | -           | $\vdash$  |               | -                      | <u> </u>   |  | $\perp$  |           | ╀  | <b>├</b> -                                       |                 |   | $\square$       |  |   |
|    | -            | 2             | 1               |               | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | ┪        | -        |         | 51<br>52 | $\dashv$       | $\dashv$ | +             | +-              | ╁            | -           | ╁╌┧   |               | -                      | 101        | $\vdash$   |          | +         | +-   | -  |                 |   | $\dashv$        |  |   |
|    |              | 3             |                 |               |                    | 7        |          | $\dashv$        |          |          |          |         | 53       | _              | $\dashv$ | +             | +               | $\dagger$    | $\top$      | 1-1   | $\dashv$      |                        | 103        | † †  | _        | -         | +  | ┢  |                 |   |                 |  | • |
|    |              | 4             |                 |               |                    |          |          |                 | $\Box$   |          |          |         | 54       |                |          |               |                 | I            |             |   |               |                        | 104        |  |          |           |  |  |                 |   |                 |  |   |
|    |              | 5             | 1               |               | -                  | _        |          | $\dashv$        |          |          | $\dashv$ |         | 55<br>56 | $\dashv$       |          | $\dashv$      | $\dashv$        | +            | -           |   | _             |                        | 105        | $\vdash$   |          | 4         | <del> </del>                                     | igspace  | _               |   |                 |  | • |
|    |              | <u>6</u><br>7 | 7               |               | $\dashv$           | ╅        | -        | $\dashv$        |          | $\dashv$ | $\dashv$ |         | 57       | $\dashv$       | _        | +             | +               | ╁            | +           | H   | $\dashv$      | -                      | 106<br>107 | $\vdash$   |          | ╁         | <del> </del>                                     | ├  | -               |   |                 |  |   |
|    |              | (8)           |                 |               |                    |          | $\Box$   |                 |          |          |          |         | 58       | $\dashv$       | $\top$   | $\top$        | +               | $\dagger$    | 十           | $\Box$  | $\dashv$      |                        | 108        | $\Box$   | $\neg$   | $\dagger$ | $\vdash$   | <del> </del>                                     | -               |   |                 |  |   |
|    |              | 9             |                 |               |                    |          |          |                 |          |          |          |         | 59       |                |          |               |                 |              |             |   |               |                        | 109        | П  |          |           |  |  |                 |   |                 |  |   |
|    | -            | 10<br>11      |                 |               | -                  | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | _        | _        |         | 60       | $\dashv$       | _        | _             |                 | ╀            | +           | $\vdash$  |               | _                      | 110        |  | _        | _         | -  | <u> </u>   |                 |   |                 |  |   |
|    |              | 12            | 7               |               | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ |          |         | 61<br>62 | $\dashv$       | $\dashv$ | +             | +               | +            | +           | ╁┤  |               |                        | 111        | H  |          | +         |  | ├  |                 |   | $\dashv$        |  |   |
| •  |              | 13            | M               |               | _                  | _        | $\dashv$ |                 | ┪        |          |          |         | 63       | $\dashv$       | 7        | $\dashv$      | +               | $\dagger$    | +           | <del>                                     </del>  | -             | $\vdash$               | 113        | $\vdash$   | +        | +         | +  | $\vdash$   | $\vdash$        |   |                 |  |   |
|    |              | (14)          |                 |               |                    |          |          |                 | $\Box$   |          |          |         | 64       |                |          |               |                 |              |             |   |               |                        | 114        |  |          |           |  |  |                 |   |                 |  |   |
|    |              | 15            |                 |               |                    | $\dashv$ | _        | 1               | 4        |          |          |         | 65       | _              | 4        | _             | _               | $\bot$       |             |   | _             | <u> </u>               | 115        |  | $\perp$  | 4         | $\downarrow$                                     | <u> </u>   |                 |   |                 |  |   |
|    |              | 16            |                 |               | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | -       | 66<br>67 |                | $\dashv$ | $\dashv$      | +               | +            | +           |   | $\dashv$      | -                      | 116        | +  | +        | +         | -  | <del>                                     </del> |                 |   |                 |  |   |
|    |              | 18            | 7               |               | $\overline{\cdot}$ | $\dashv$ | 十        | $\dagger$       | $\dashv$ |          |          |         | 68       | _              | +        | +             | +               | +            | +           | H   |               |                        | 118        | $\Box$   | +        | +         |  |  |                 |   |                 |  |   |
|    |              | 19            | 1               |               |                    |          |          |                 |          |          |          |         | 69       |                |          |               |                 |              |             |   |               |                        | 119        |  |          |           |  |  |                 |   |                 |  |   |
|    |              | 20            | /               |               | _                  | _        | _        | _               | _        | _        | _        |         | 70       | $\dashv$       | 4        | _             |                 | _            |             | $\sqcup$  | _             |                        | 120        | $\sqcup$   | $\perp$  | _         |  | -  |                 |   |                 |  |   |
|    |              | 21<br>22      | H               |               | $\dashv$           | -        | -        | $\dashv$        | +        | $\dashv$ | -        |         | 71       | $\dashv$       | $\dashv$ | +             | +-              | ╁            |             | ╂╼╂   | $\dashv$      |                        | 121        | $\vdash$   | _        | +-        | ┼-   | -  | -               |   |                 |  |   |
| :  |              | 23            | $\Box$          | 1             | $\dashv$           |          | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\neg$   |         | 73       | 十              | $\dashv$ | $\dashv$      | +               | +            | +           | ╁╌╁   | $\dashv$      |                        | 123        | $\Box$   | $\dashv$ | +         | +  | <del>                                     </del> |                 | Н |                 |  |   |
|    |              | 24            |                 |               |                    |          | $\Box$   |                 | 1        |          |          |         | 74       |                |          |               |                 | I            |             |   |               |                        | 124        |  |          |           |  |  |                 |   |                 |  |   |
|    |              | 25            | $\sqcup$        | $\dashv$      | $\dashv$           | _        |          | _               | _        |          | _        |         | 75       |                | _        |               |                 | +            | $\perp$     | $\sqcup$  | _             |                        | 125        | $\vdash$   |          |           | <del> </del>                                     | <u> </u>   |                 |   |                 |  |   |
|    |              | 26<br>27      |                 | $\dashv$      | $\dashv$           | $\dashv$ |          | $\dashv$        |          | $\dashv$ | $\dashv$ |         | 76<br>77 | $\dashv$       | $\dashv$ | +             | +               | ╀            | +           | $\vdash \vdash$                                   | $\dashv$      | }                      | 126<br>127 |  | -        |           | ┼─   | -  | -               |   |                 |  |   |
|    |              | 28            |                 | $\neg$        | $\dashv$           | _        | $\dashv$ | 十               | +        | $\dashv$ | $\dashv$ |         | 78       | $\dashv$       | +        | +             | +               | ╅            | +           | H   | $\dashv$      |                        | 128        |  | $\dashv$ | +         | +  | 一  |                 | _ |                 |  |   |
|    |              | 29            |                 |               |                    |          | $\Box$   |                 |          |          |          |         | 79       |                |          |               |                 |              |             |   |               |                        | 129        |  |          |           |  |  |                 |   |                 |  |   |
|    |              | 30<br>31      |                 |               | $\downarrow$       | $\dashv$ | _        | _               | _        | _        | $\dashv$ |         | 80       | _              | -        | $\perp$       | +               | $\downarrow$ | +           | $\vdash$  |               | _                      | 130        |  | _        | $\perp$   | -  | _  |                 |   |                 |  |   |
|    |              | 32            | $\vdash$        |               | $\dashv$           | +        | +        | $\dashv$        | $\dashv$ | _        | $\dashv$ |         | 81<br>82 | 十              | $\dashv$ |               | $\dashv$        | ╁            |             | $\vdash$  | $\dashv$      |                        | 131        |  |          | +-        | +  | $\vdash$   |                 |   |                 |  |   |
|    |              | 33            |                 |               | 十                  |          | $\top$   | $\dashv$        | +        | $\dashv$ |          |         | 83       | 十              | +        | +             | +               | +            | +-          | -   | $\dashv$      |                        | 133        |  | +        | -         | ╁┈   | <del>                                     </del> |                 |   |                 |  |   |
|    |              | 34            |                 |               | $\Box$             |          |          |                 |          |          |          |         | 84       |                |          |               |                 | $\perp$      |             |   |               |                        | 134        |  |          |           |  |  |                 |   |                 |  |   |
| •  |              | 35<br>36      |                 |               | -                  | $\dashv$ | +        | $\dashv$        | -        | $\dashv$ | _        |         | 85       | _              | -        | -             | - -             | +            | -           | $\vdash$  | _             | <u> </u>               | 135        |  |          | -         | -  | -  |                 |   |                 |  |   |
|    |              | 37            |                 | $\dashv$      |                    | $\dashv$ | ╁        | +               | +        | $\dashv$ | $\dashv$ |         | 86<br>87 | +              | $\dashv$ | +             | ╫               | ╁            | +-          | ╂╾┨   | -             | -                      | 136        | $\vdash$   | +        | +-        | +-   | <del> </del>                                     |                 |   |                 |  |   |
|    |              | 38            |                 |               | $\neg$             | 1        |          |                 | $\dashv$ | $\dashv$ | $\dashv$ |         | 88       | 十              | 1        | +             | $\top$          | T            |             |   |               |                        | 138        |  | 十        | -         | <del>                                     </del> | $\vdash$   | $\Box$          |   |                 |  |   |
|    |              | 39            |                 |               |                    |          |          |                 | $\Box$   |          |          |         | 89       |                |          | I             |                 | I            |             |   |               |                        | 139        |  |          |           |  |  |                 |   |                 |  |   |
| -  |              | 40            | $\vdash$        | $\rightarrow$ | $\dashv$           | $\dashv$ | $\dashv$ | _               | _        | $\dashv$ | _        |         | 90       | _              | $\dashv$ | $\perp$       | +               | +            | +           | $\vdash \vdash$                                   | _             | -                      | 140        | $\vdash$   |          | +         | -  |  | $\vdash$        |   | $\square$       |  |   |
|    |              | 41            | $\vdash \vdash$ | -             | $\dashv$           | -        | $\dashv$ | +               | $\dashv$ | $\dashv$ | $\dashv$ |         | 91       | +              | +        | +             | +               | +            | +           | ╁┤  | $\dashv$      | <b>—</b>               | 141        | <del>                                     </del> | +        | +         | +-   |  | $\vdash$        |   | $\square$       |  |   |
|    |              | 43            |                 |               | _                  |          | _        |                 | _        |          |          |         | 93       | _              | _        | _             |                 | †            |             | 廿十  |               |                        | 143        |  | _        |           |  |  |                 |   | $\vdash$        |  |   |
|    |              | 44            |                 |               |                    |          |          |                 |          | _        |          |         | 94       |                |          | 丁             |                 | Ţ            |             | П   |               |                        | 144        |  |          | 1         | ļ  |  |                 |   |                 |  |   |
|    |              | 45<br>46      | $\square$       | _             | $\dashv$           |          | $\perp$  | $\dashv$        | -        | $\dashv$ | _        |         | 95       | $\dashv$       |          | $\dashv$      | +               | +            | +           | $\vdash$  | _             | -                      | 145        |  |          | +-        | -  | -  | $\square$       |   |                 |  |   |
|    |              | 46            | H               | +             | $\dashv$           | $\dashv$ | $\dashv$ | +               | _        | $\dashv$ | $\dashv$ | -       | 96<br>97 | $\dashv$       | +        | +             | +               | +            | +           | $\vdash$  | $\dashv$      | -                      | 146<br>147 | -  | +        | +-        | +-   | -  | $\vdash \vdash$ | Н | $\vdash \vdash$ |  |   |
|    |              | 48            |                 |               | _                  | _        | $\dashv$ |                 | _        | _        | $\dashv$ |         | 98       | $\exists$      | _        | _             | _               | $\dagger$    | _           |   |               |                        | 148        |  | _        | +         | +  |  |                 | H |                 |  |   |
|    |              | 49            |                 |               |                    |          |          |                 |          |          |          |         | 99       |                |          | $\Box$        | $\perp$         | T            |             | П   |               |                        | 149        |  |          |           |  |  |                 |   |                 |  |   |
|    |              | 50            | ıl              |               | - 1                | 1        | 1        | 1               |          |          |          | 1       | 100      | - 1            | - 1      | - 1           |                 | 1            | 1           | 1 1   |               | 1                      | 150        | 1 1  | - 1      | -1        | ł  | 1  | l Ì             |   | <b>!</b>        |  |   |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination